

**Global Proficiency is a specialist provider of proficiency testing, reference and quality control materials, and related services. With support staff in New Zealand and Australia, we provide an independent and confidential service to more than 750 laboratories in 80 countries.**



### INDEPENDENT ASSURANCE FOR LABORATORIES

Proficiency Testing (also known as Inter-Laboratory Comparison Program (ILCP), PT or External Quality Assessment (EQA)) provides laboratories with objective assessments of the accuracy and reliability of their test results. Proficiency Testing also provides the opportunity for laboratories to benchmark their performance within a pooled industry group, nationally or internationally.

### INTRODUCING GLOBAL PROFICIENCY

Participating in Global Proficiency's proficiency testing (PT) schemes provides laboratories with independent assurance of the accuracy and precision of their test results. Participating laboratories join an established network of proven analytical performance.

#### ➤ Proficiency Testing Programmes

Our programmes help to ensure alignment of test results and testing methods between laboratories. We provide regular inter-laboratory rounds for continuous monitoring of a wide range of tests and product matrices. We also provide investigative studies for method validation, for method comparisons and for other purposes.

#### ➤ Reference and Quality Control Materials

Our reference materials are used internationally for calibration and for quality control – also for investigative studies, for method development, for method validation, and for staff training.

#### ➤ DataChek - Analysis of Test Data

We offer a range of specialist services to assist with interpretation of test data and related information, including – assessment of bias and accuracy, repeatability and reproducibility, uncertainty of measurement, and method validation. We also assist with design of sampling plans and with Food Safety Risk Analysis.

#### ➤ Training & Consultancy Services

### WHY GLOBAL PROFICIENCY?

Global Proficiency operates in accordance with international best practice. We are:

- Accredited to ISO/IEC 17043:2010 by IANZ (International Accreditation New Zealand)
- Recognised by NATA (National Association of Testing Authorities of Australia), and by EPTIS (European Proficiency Provider Information System) as a proficiency testing provider
- Used by Ministry for Primary Industries New Zealand, as the proficiency provider for the meat and food testing industries.

### OUR PROFICIENCY TESTING PROGRAMMES

#### Environmental & Agricultural

WaterChek  
SoilChek  
PlantChek  
FertChek  
TimberChek\*  
MaizeChek\*

#### Dairy & Milk

DairyChek  
MilkChek  
VeriTest® Milk  
VeriTest® Antimicrobials\*  
BactoChek\*  
NurtureChek

#### Food & Beverages

VeriTest® Food  
VeriTest® Shellfish  
VeriTest® Meat  
VeriTest® Ice Cream  
LipidChek  
HoneyChek\*  
BeverageChek

#### Pathogens

PathoGens

*\*Programmes not included in the Providers Scope of Accreditation*

### OUR REFERENCE AND QUALITY CONTROL MATERIALS

The use of Reference Materials and Inter-laboratory QC Materials is an integral part of a wider quality assurance programme, providing an important tool for supporting equipment checks, instrument monitoring, training and assisting in the estimation of measurement uncertainty. Global Proficiency offers a wide range of reference and QC materials, in addition to manufacturing one-off, tailored references to suit the growing needs of a busy laboratory.

#### Reference Materials (RM)

Dairy products	Meat & Bonemeal
Infant formula	Soils
UHT Milk	Plants

#### Inter-laboratory Quality Control Materials (QCM)

These materials are produced using data from a single presentation in a Proficiency Testing (PT) round, so are available for the majority of PT programmes and products we offer once the round assessment and reporting processes are complete. QC Materials are a useful tool for frequent and routine instrument and process-flow checks.

### OUR DATACHEK SERVICE

DataChek is a service we provide to laboratories and organisations that need either one-off or regular data analysis.

Global Proficiency will individually tailor statistical analysis to suit the varied and challenging requirements of your organisation. Our services offer an independent, impartial and confidential means of evaluating and interpreting your data.

Our specialists are happy to discuss with you how we can help with your data analysis requirements.

#### DataChek

- Ring trial verification
- Method benchmarking & equivalency
- Measurement uncertainty
- Instrument repeatability
- Statistical interpretation
- Statistical sampling plans

### OUR TRAINING SERVICES

Global Proficiency's specialists can provide training services across a range of different sectors. Whether you require on-site, or on-line training for your laboratory team members, we are flexible and will work with you to meet your requirements.

#### Training Services

Training to support Laboratory Quality Control processes including:

- Interpretation and use of proficiency reports and statistics
- Use of reference materials
- Measurement uncertainty estimation
- Method verification and validation

#### Consultancy Services

Global Proficiency has experience in assisting laboratories from various testing industries achieve accreditation to ISO/IEC 17025 and compliance to industry-specific government and regulatory requirements.

**FOR MORE INFORMATION PLEASE VISIT OUR**

**WEBSITE**

**[www.global-proficiency.com](http://www.global-proficiency.com)**

**OR EMAIL**

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